

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re First Filing Patent Application of:

NORDMAN

Appln. No.: 10/032,300

Filed: December 31, 2001



Group Art Unit: 2661

Examiner: Not Yet Assigned

FOR: TRANSMISSION METHOD AND RADIO RECEIVER

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April 2, 2002

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
Washington, DC 20231

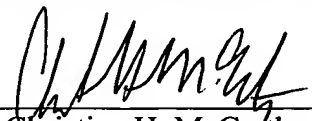
Sir:

Enclosed herewith are two PTO-1449s and copies of references for the Examiner's review. The D'Andrea et al. reference was cited in the specification.

Consideration of the foregoing and the return of a copy of the PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited.

Respectfully submitted,

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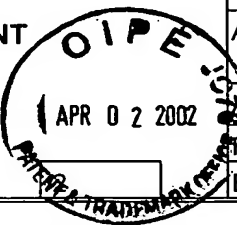
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Client Ref.

284146

2011388US/MYL/kop

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**



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Page 1 of

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Group Art Unit: Not Asgnd

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class s	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
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	FR					
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FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	KR									
	LR									
	MR									
	NR									
	OR									
	PR									
	QR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

RR	D'Andrea et al., "Multiple Phase Synchronization in Cxontinuous Phase Modulation," Digital Signal Processing 3, (1993), PP. 188-198.				
SR	de Jager et al., "Tamed Frequency Modulation, a Novel Method to Achieve Spectrum Economy in Digital Transmission," IEEE Transactions on Communications, Vol. Com 26, No. 5, May, 1978, pp. 534-542.				
TR	Aulin et al., "Continuous Phase Modulation - Part II: Partial Response Signaling," IEEE Transactions on Communications, Vol. Com 29, No. 3, March 1981, pp. 210-225.				
UR	Hagenauer et al., "A Viterbi Algorithm with Soft-Decision Outputs and its Applications," GlobeCom '89, Dallas Texas, pp. 1680-1686.				
VR	Aulin et al., "Continuous Phase Modulation - Part I: Full Response Signaling," IEEE Transactions on Communications, Vol. Com 29, No. 3, March 1981, pp. 196-209.				
WR	Berrou et al., "A Low Complexity Soft-Output Viterbi Decoder Architecture," IEEE 1993, pp. 737-740.				

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

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Page

2

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	MR									
	NR									
	OR									
	PR									
	QR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

RR	Sundberg, "Continuous Phase Modulation," IEEE Communications Magazine, April 1986 - Vol. 214, No. 4, pp. 25-38.				
SR	Mengali et al., "Synchronization Techniques for Digital Receivers," Applications of Communication: Theory, (New York and London: Plenum Press, 1997) Table of Contents and Introduction.				
TR	Eyuboglu et al., "Reduced-State Sequence Estimation with Set Partitioning and Decision Feedback," IEEE Transactions on Communications, Vol. 36, No. 1, January 1988, pp. 13-20.				
UR	Nordman et al., "A Turbo Decoder with the Berrou SOVA Algorithm," 2 nd International Symposium on Turbo Codes & Related Topics, Brest, France, 2000, pp. 299-302.				
VR	Balasubramanian et al., "Optimal and Suboptimal Symbol- by-Symbol Demodulation of Continuous Phase Modulated Signals, IEEE Transactions on Communications, Vol. 46, No. 12, December 1998, pp. 1662-1668.				

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Date Considered:

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